

ITF

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Paxton et al.

Atty. Docket No.: PST-11902/36

Serial No.: 10/784,432

Group Art Unit: 3746

Filed: February 23, 2004

Examiner:

For: AUTONOMOUS MOVING MICROSTRUCTURES

**INFORMATION DISCLOSURE STATEMENT**

MAIL STOP Information Disclosure Statement  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. §1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. §1.97(b), this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possible material information as defined in 37 C.F.R. §1.56(a) exists.

Respectfully submitted,

By

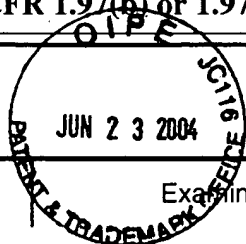
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Date: July 21, 2004

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
PST-11902/36

In Re Application Of: Paxton et al.



Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/784,432	2/23/2004		25006	3746	2535

Title: AUTONOMOUS MOVING MICROSTRUCTURES

Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
PST-11902/36

In Re Application: Paxton et al.

JUN 23 2004

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/784,432	2/23/2004		25006	3746	2535

**AUTONOMOUS MOVING MICROSTRUCTURES**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **07-1180** as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☐ Credit any overpayment.
- ☒ Charge any additional fee required.

**Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. \_\_\_\_\_)

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*Douglas White*  
Signature

**Certificate of Mailing by First Class Mail**

I certify that this document and fee is being deposited on **6/21/04** with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

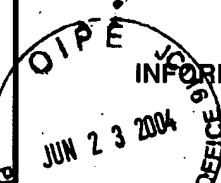
Signature of Person Mailing Correspondence

Ann K. Andrusiak

Typed or Printed Name of Person Mailing Certificate

Dated: June 21, 2004

CC:

	<b>ATTY DOCKET NO.</b> PST-11902/36		<b>APPLICATION NO.</b> 10/784,432	
	<b>APPLICANT(S)</b> Paxton et al.			
	<b>FILING DATE</b> February 23, 2004		<b>GROUP ART UNIT</b> 3746	
	<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)			

### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US 5,426,942	6/27/1995	Suzuki	60	721	
	US 6,645,455	11/11/2003	Margrave et al.	423	447.1	

### U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US 2002/0159943 A1	10/31/2002	Smalley et al.	423	447.1	
	US 2003/0142901 A1	07/31/2003	Lahann et al.	385	18	
	US 2003/0215844 A1	11/20/2003	Chapsky et al.	435	6	
	US 2004/0007695 A1	1/15/2004	Anquetil et al.	252	500	

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 00/22101	4/20/2000	WIPO			✓	
	WO 03/101955 A2	12/11/2003	WIPO			✓	
	WO 03/025145 A2	3/27/2003	WIPO			✓	

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		"Autonomous Movement of Striped Nanorods," W.F. Paxton, K. C. Kistler, C. C. Olmeda, Ayusman Sen, Yanyan Cao, Sarah K. St. Angelo, Thomas E. Mallouk, Paul E. Lamert, and Vincent H. Crespit, Departments of Chemistry and Physics, The Pennsylvania State University, University Park, PA 16802
		"Autonomous Movement and Self-Assembly," R.F. Ismagilov, A. Schwatz, N. Bowden, G. M. Whitesides, Angew. Chem. Int. Ed. 2002, 41, 652-654.

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.